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32-6637: ACP2 Human

Alternative Name : Acid Phosphatase 2, Lysosoma, EC 3.1.3.2 LAP, Lysosomal Acid Phosphatase, ACP2.

Description

Source: Escherichia Coli.
Sterile filtered colorless solution.
Acid Phosphatase-2, also known as ACP2 is composed of two subunits, Alpha & beta, and is chemically as well as genetically distinct from red cell acid phosphatase. ACP2 belongs to a family of distinct isoenzymes which hydrolyze orthophosphoric monoesters to alcohol and phosphate. In addition, Acid phosphatase deficiency is caused by mutations in the ACP2-beta subunit as well as ACP3-alpha subunit genes.
ACP2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 373 amino acids (31-380 a.a.) and having a molecular mass of 42.9kDa. ACP2 is fused to a 23 amino acid His-Tag at N-Terminus and purified by conventional chromatography techniques.

Product Info

Amount :	5 µg / 20 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	ACP2 protein solution (1mg/ml) contains 20mM Tris-HCl (pH8.0) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSRSLRFVT LLYRHGDRSP VKTYPKDPYQ EEEWPQGFGQ LTKEGMLQHW ELGQALRQRY HGFLNTSYHR QEVYVRSTDF DRTLMSAEAN LAGLFPPNGM QRFNPNISWQ PIPVHTVPIT EDRLLKFPLG PCPRYEQLQN ETRQTPEYQN ESSRNAQFLD MVANETGLTD LTLETVWNVY DTLFCEQTHG LRLPPWASPQ TMQRLSRLKD FSFRFLFGIY QQAEKARLQG GVLLAQIRKN LTLMATTSQL PKLLVYSAHD TTLVALQMAL DVYNGEQAPY ASCHIFELYQ EDSGNFSVEM YFRNESDKAP WPLSLPGCPH RCPLQDFLRL TEPVVPKDWQ QECQLASGPA DTE

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